

**CYTOPLASMIC INHIBITION OF
GENE EXPRESSION**
Monto Hiroshi Kumagai, et al.
Serial No.: Not Yet Known
Attorney Docket No.: 60-002234US

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-isp XbaI Start codon
 GTTTTAAATACGGCTGGAGGTAAAT ATG TCT GTT GCC TTG TTA TGG GTT TCT CCT TGT GAC
 Met Ser Val Ala Leu Leu Trp Val Val Ser Pro Cys Asp

Transit peptide of phytoene synthase
 GTC TCA AAT GGG ACA AGT TTC ATG GAA TCA GTC CGG GAG GGA AAC CGT
 Val Ser Asn Gly Thr Ser Phe Met Glu Ser Val Arg Glu Gly Asn Arg

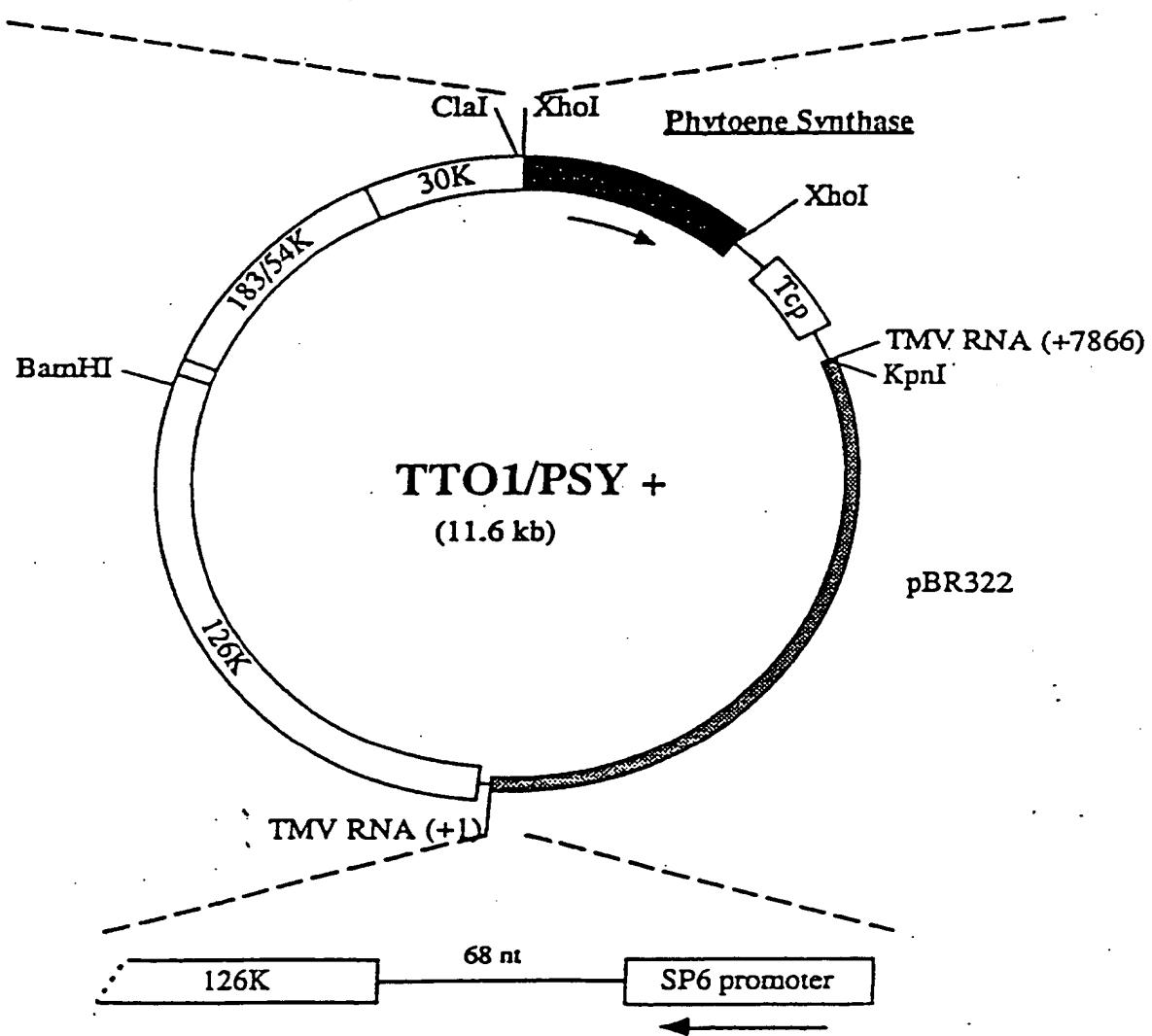


FIGURE 1

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PDS-N _b	ATAAACCTGACGAGCTTCGATGCAGTGCATCTGATTGCTTGAACAG	50
PDS-L _e	ATAAACCTGACGAACCTTCATGCAGTGCATTTGATCGCATTGAACAG	50
PDS-N _b	ATTCCTTCAGGAGAACATGGTCAAAAATGGCCTTTAGATGGTAACC	100
PDS-L _e	GTTCCTTCAGGAGAACATGGTCAAAAATGGCCTTTAGATGGTAATC	100
PDS-N _b	CTCCTGAGAGACTTGCATGCCATTGTGGAACATATTGAGTCAGG	150
PDS-L _e	CTCCTGAGAGACTTGCATGCCATTGTGGAACACATTGAGTCAGG	150
PDS-N _b	GGCCAAGTCAGACTAAACTCACGAATAAAAAGATCGAGCTGAATGAGGA	200
PDS-L _e	GGCCAAGTCAGACTGAACTCACGAATAAAAAGATTGAGCTGAATGAGGA	200
PDS-N _b	TGGAAGTGTCAAATGTTTATACAGAATAATGGCAGTACAATTAAAGGAG	250
PDS-L _e	TGGAAGTGTCAAGAGTTTATACTGAGTGACGGTAGTGCAATCGAGGGAG	250
PDS-N _b	ATGCTTTGTGTTGCCACTCCAGTGGATATCTGAAGCTTCTTGCCT	300
PDS-L _e	ATGCTTTGTGTTGCCGCTCCAGTGGATATTCAGCTTCTATTGCCT	300
PDS-N _b	GAAGACTGGAAAGAGATCCCATATTCAAAAGTTGGAGAAGCTAGTGGG	350
PDS-L _e	GAAGACTGGAAAGAGATTCCATATTCAAAAGTTGGAGAAGTTAGTCGG	350
PDS-N _b	AGTTCTGTGATAAAATGTCCATATATGGTT	380
PDS-L _e	AGTACCTGTGATAAAATGTACATATATGGTT	380

FIGURE 2

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